

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SE 2003/001391

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H04Q 7/34, H04L 12/56

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H04Q, H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02056622 A1 (NOKIA CORPORATION), 18 July 2002 (18.07.2002), page 4, line 12 - page 5, line 16 --	1-11
A	WO 02102111 A1 (TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)), 19 December 2002 (19.12.2002), page 3, line 13 - page 9, line 26 --	1-11
A	US 2002077091 A1 (IMMONEN, P. ET AL), 20 June 2002 (20.06.2002), paragraphs 0013 - 0017 --	1-11
A	US 6553025 B1 (KUNG, F-C. ET AL), 22 April 2003 (22.04.2003), abstract --	1-11

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
4 March 2004	11-03-2004
Name and mailing address of the ISA/ Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Facsimile No. + 46 8 666 02 86	Authorized officer Fredrik Blomqvist /OGU Telephone No. + 46 8 782 25 00

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PCT/SE 2003/001391

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 0191374 A1 (TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)), 29 November 2001 (29.11.2001), abstract --- -----	1-11

INTERNATIONAL SEARCH REPORT
Information on patent family members

24/12/2003

International application No.	
PCT/SE 2003/001391	

WO	02056622	A1	18/07/2002	FI	4977 U	27/06/2001
				FI	20010095 A, V	17/07/2002
WO	02102111	A1	19/12/2002	EP	1265454 A	11/12/2002
US	2002077091	A1	20/06/2002	AU	2295400 A	18/08/2000
				FI	4083 U	31/08/1999
				FI	990088 A, V	19/07/2000
				WO	0045578 A	03/08/2000
US	6553025	B1	22/04/2003	NONE		
WO	0191374	A1	29/11/2001	AU	6092601 A	03/12/2001
				AU	7979300 A	10/05/2001
				CA	2386249 A	12/04/2001
				EP	1218533 A	03/07/2002
				EP	1299974 A	09/04/2003
				JP	2003511042 T	25/03/2003
				NO	20021464 A	05/06/2002
				SE	520147 C	03/06/2003
				SE	0001930 D	00/00/0000
				SE	0200881 A	31/05/2002
				US	6642016 B	04/11/2003

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PCT/SE 2003/001391	

WO	02056622	A1	18/07/2002	FI	4977 U	27/06/2001
				FI	20010095 A,V	17/07/2002
WO	02102111	A1	19/12/2002	EP	1265454 A	11/12/2002
US	2002077091	A1	20/06/2002	AU	2295400 A	18/08/2000
				FI	4083 U	31/08/1999
				FI	990088 A,V	19/07/2000
				WO	0045578 A	03/08/2000
US	6553025	B1	22/04/2003	NONE		
WO	0191374	A1	29/11/2001	AU	6092601 A	03/12/2001
				AU	7979300 A	10/05/2001
				CA	2386249 A	12/04/2001
				EP	1218533 A	03/07/2002
				EP	1299974 A	09/04/2003
				JP	2003511042 T	25/03/2003
				NO	20021464 A	05/06/2002
				SE	520147 C	03/06/2003
				SE	0001930 D	00/00/0000
				SE	0200881 A	31/05/2002
				US	6642016 B	04/11/2003